

**AD679059**

SYSTEMS ANALYSIS - MILITARY PERSONNEL

AUTHORIZED VERSUS ON HAND

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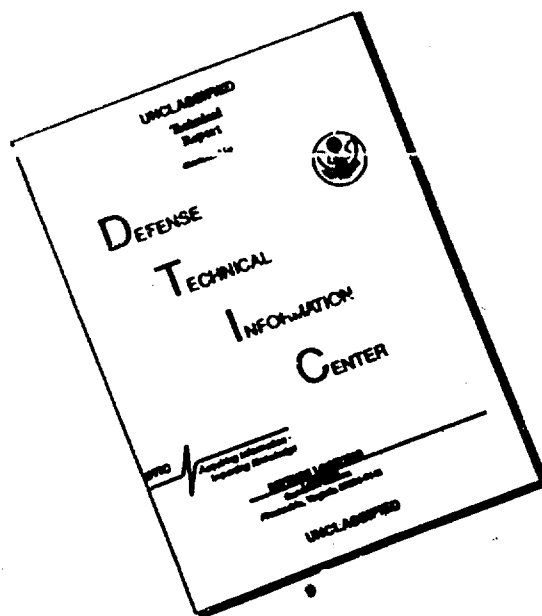
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## CHAPTER I

### INTRODUCTION

~~THE SUBJECT~~  
The purpose of ~~this technical note~~ is to describe the systems analysis required to produce information on "Military Personnel, Authorized Versus On Hand," for LMI R1 during the period of manual operation of the USAREUR Logistics Management Information System.

The systems analysis is based upon the use of certain data in the records of the USAREUR Adjutant General, in specific reports of the Data Processing Division of that office. This data is used in conjunction with lists of Military Occupational Specialties, organizational categories, and functional categories, so as to produce information on the number of officers, warrant officers, and enlisted men by unit, authorized, currently assigned, and projected. The information is also stratified by grade and, in the case of enlisted personnel, by skill level.

The processes which are to be programmed are described in Chapters II and III of this report. All of the specific information required to produce the results for Presentation Formats is contained in the Appendix. This includes lists of the MOSs which fall into the several categories and a functional categorization of logistic MOSs. The principal functional divisions are Maintenance, Supply, Transportation and General Logistics. This latter category includes MOSs which may be used in more than one of the other functional categories, as well as those few MOSs in the Services category. Enlisted MOSs are further stratified, with those in the Maintenance functional area having two intermediate levels. The number of MOSs in the other functional areas does not warrant more than one intermediate level. Of course, the lowest level of functional stratification is the individual MOS.

The Appendix also contains a list of the primary organizational units to be used in this LMI and their codes in the AG records used. There are also groupings and subgroupings of these organizations.

The information on logistic MOSs has been obtained from the following sources:

- AR 611-101 - Manual of Commissioned Officer Military Occupational Specialties.
- AR 611-112 - Manual of Warrant Officer Military Occupational Specialties.
- AR 611-201 - Enlisted Military Occupational Specialties.

Additional information on critical enlisted MOSs has been obtained from a list of such MOSs published by the Office of the Deputy Chief of Staff, Personnel, Department of Army.

The information on projected strengths in the records of the AG DA Division provide information on projected strengths at four months and at seven months from the date of preparation of the report. The period from the preparation of that report until the presentation of information in the LMI by the Action Officer is anticipated to be such that these projections will actually represent projected strengths at three months and six months from the time of display.

It has been found that the information on the records of the AG at the present time contain data on obsolete and invalid MOSs. It is therefore necessary, as will be noted in the systems analysis following, not only to extract information on MOSs which are known to be valid logistic MOSs, but also to separate information on valid non-logistic MOSs, and to print out the remaining data so that investigation may be made to determine whether or not the personnel represented are logistic personnel.

Figure 1 indicates the sequence of operations to be performed each quarter. The lists must first be validated by the appropriate analyst in the LMIS group. The processing of the data on enlisted men and of that on officers and warrant officers can be performed concurrently or sequentially, since they are independent processes.

Prior to processing the data from the AG records each quarter, the LMIS analyst (or the Action Officer) should check to determine that the lists of MOSs being used are current. This will take the form of determining if any changes or revisions have been issued to the three Army Regulations cited above, or to the list of critical MOSs published periodically by the DCSPER DA.

In reviewing any changes in the Army regulations, each MOS which has been added or changed should be read carefully to determine whether or not it is a logistic MOS. This determination must be based on an examination of the duties described rather than on the title of the MOS. In questionable cases, of which there are some, the decision must be based on whether the individual whose duties are described can be expected to spend the majority of his efforts on tasks connected with logistics. The added or revised MOS must also be assigned to a functional category.

The information required for primary formats is produced each quarter without regard to any specific requests. The information required for secondary presentation formats is produced only on request. The number of possible secondary formats is extremely high, but it is not anticipated that more than a few such formats would be requested at any given reporting period. The programs for such formats must therefore be written in such a manner that they are adaptable to any request by the insertion of lists of categories of information, and so that the sequence of totaling the data can be arranged to suit the particular request. This will be discussed in more detail in Chapter II.

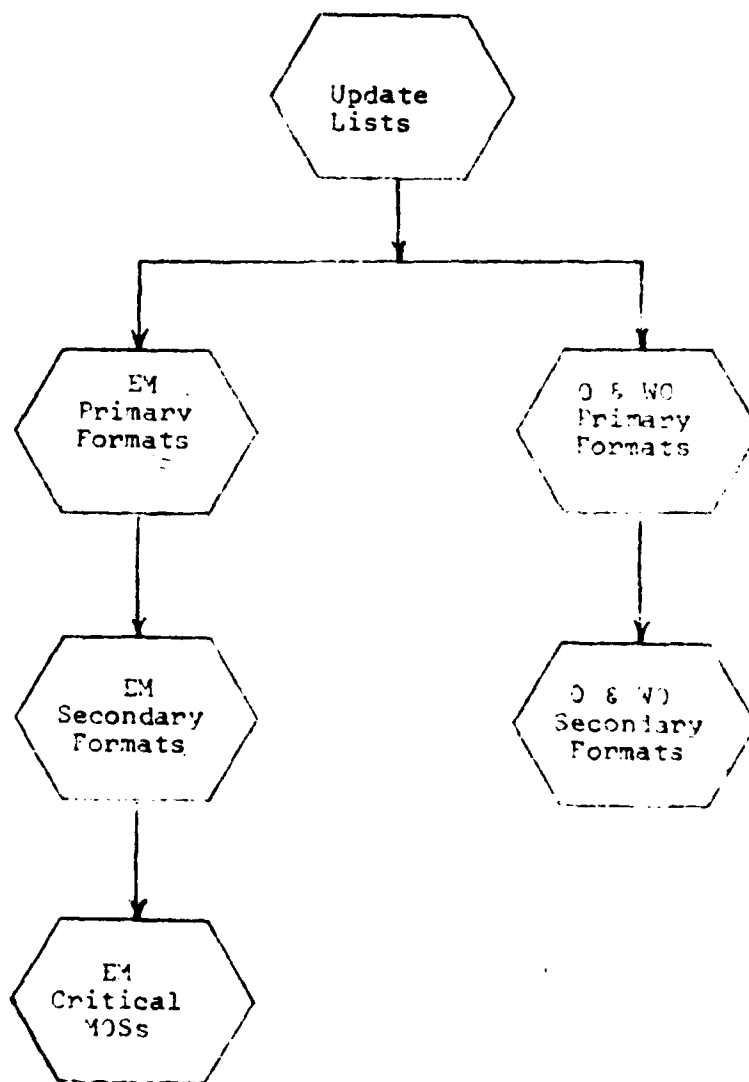


Figure 1. Sequence of Quarterly Operations



## CHAPTER II

### PROCESSING OF ENLISTED PERSONNEL DATA

The data necessary to obtain the information on enlisted personnel for this LMI are contained in the enlisted "Little 45" report of the Data Processing Division of the Office of the Adjutant General, USAREUR. The report number is 403250. This report contains information on enlisted personnel in terms of current authorized, projected authorized, assigned, projected retainable, and projected replacements, by MOS, by grade, and by unit. The report also contains additional information not pertinent to this LMI.

This report is prepared in several parts. The processing of data for this LMI requires the use of Part IV, the unit listing. This is described in detail in Operations Memo Number 403250 of the Office of the USAREUR AG.

Enlisted MOSs are designated by five characters. The first two characters (numeric) designate a general category of specialty. The third character (alphabetic) designates a particular specialty. The last two characters (numeric) indicate the skill level. Since the last character is always zero, it is usually omitted in data processing.

The information in the "Little 45" report indicates organizational structure by a subcommand code of either two or three digits, the first of which is termed the "Command Code". The organizational stratification used in this LMI is shown in detail in List V in the Appendix, together with the codes for those organizations used in the AG report. In this stratification, the USAREUR organizational universe is divided into twenty-five basic organizations. These organizations can be arranged into various groupings as shown on List V.

The first process to be applied to enlisted personnel data is illustrated in Figure 2. A description of this process follows:

1. It is first necessary to determine whether the MOS is on List A, and if so, the information pertaining to that MOS is disregarded. This eliminates from consideration those MOSs which are valid non-logistic MOSs, and which are not substitutes for critical logistic MOSs. There is no need for further analysis of these MOSs.
2. It is then necessary to determine whether the MOS is on List B. These are valid non-logistic MOSs which constitute authorized substitutes for valid logistic MOSs. The data on these MOSs is not used in connection with the preparation of the Primary Formats, but is set aside for use in a later process on critical MOSs.
3. It is then necessary to determine whether the MOS is on List C. This list comprises all the valid logistic MOSs. These are required for further processing for Primary and Secondary Formats. The MOSs which are not on Lists A, B, or C are obsolete or invalid MOSs.
- 7 4. These obsolete and invalid MOSs are then processed to obtain totals by organization within MOS, giving a sub total for the organization and a total for each MOS. The items to be totaled are:
  - a. Current authorized strengths
  - b. Assigned strengths
  - c. Projected authorized strengths

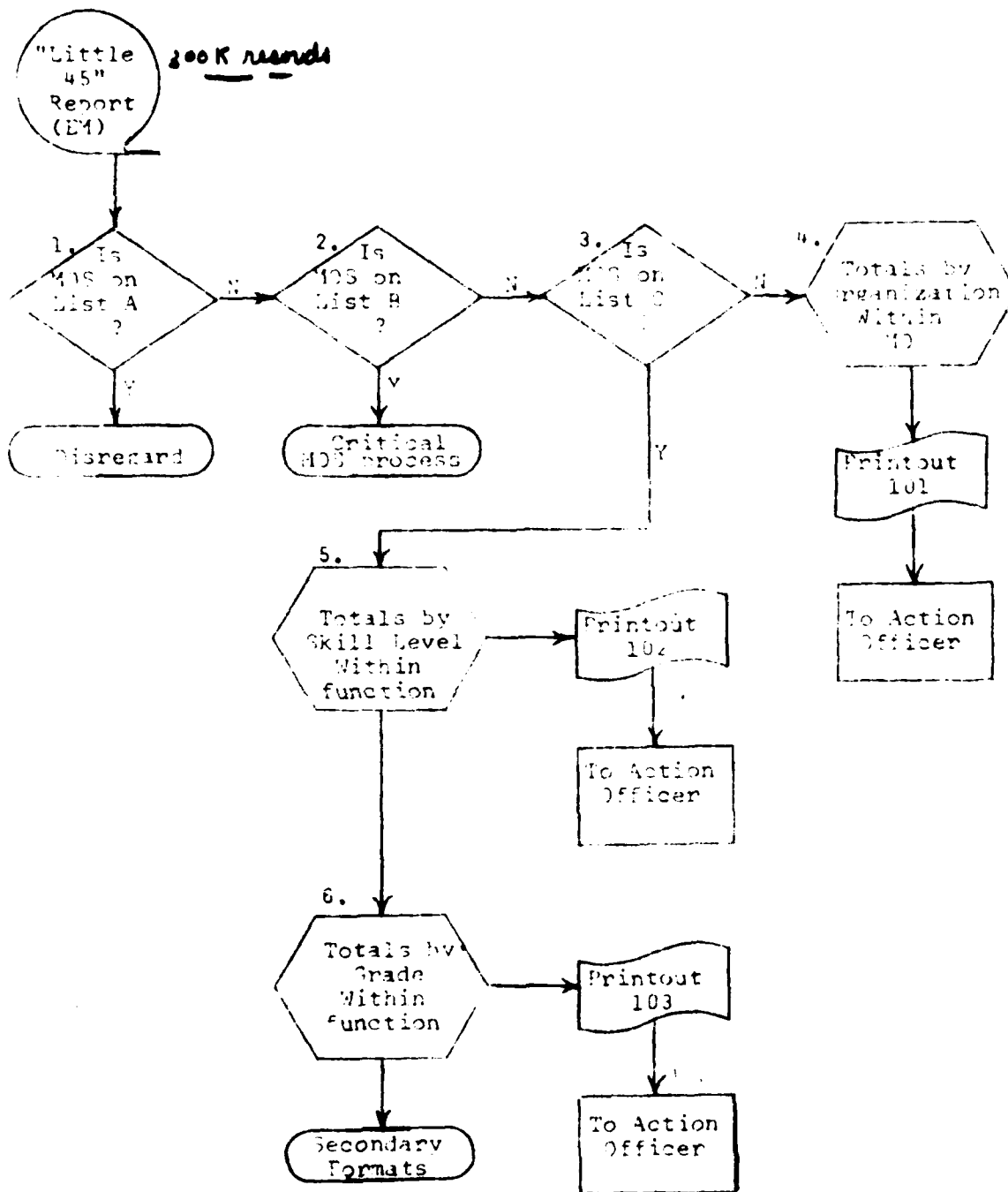


Figure 2. Processing of Unlisted Data for Primary Formats

- d. Projected strengths at four months (projected retainable strengths, plus projected replacement strengths)
- e. Projected strengths at seven months (projected retainable at seven months, plus projected replacement at seven months).

These totals are then printed out, the printout is designated as Printout 101 of LMI R1, for the pertinent date and is transmitted to the Action Officer. It is not necessary for the LMI data processing procedure to concern itself with any corrections resulting from an investigation of these incorrect MOs. Any changes will be forthcoming in the form of changes to the next issue of the "Little 45" report.

- 5. The valid logistic MOs (those on List 2) are then processed to obtain total by skill level within functional category. This is only at the highest division of functional categories, namely those designated by roman numerals in List 7 in the Appendix. The items which are totaled are the same as those described in step 4 above. These totals are placed on a printout designated as Printout 102 of LMI R1 for the pertinent date, and are transmitted to the Action Officer.
- 6. The same data, that on MOs on List 3, is then reprocessed to obtain totals by grade within function. Again, the functional category is the highest, as in step 5, and the items totaled are those described in step 4 above. These totals are placed on a printout designated as Printout 103 of LMI R1 for the pertinent date, and forwarded to the Action Officer. This completes

the processing necessary for the preparation of Primary Formats. The data which was processed (MOSs on List C) is then ready to be used in the next process.

As previously stated, information for Secondary Formats is processed only as requested. These requests may include categories or subcategories of any of the informational parameters involved and these categories may be arranged in any sequence. For example, information might be requested on a breakdown of logistic personnel by grade within a specific list of organizations, or a request may be for a breakdown by organization within a specific grade or grades.

The process of obtaining enlisted data for Secondary Formats is illustrated in Figure 3 and described as follows:

1. It must be determined which specific organizations are involved in the request. This may be a basic organization (one of the twenty-five in List V), or it may be one of the combinations of organizations also shown in that list. Any stratification of organizations in another manner, not obtainable by combining the basic twenty-five organizations, is not a valid request.
2. It is then necessary to establish which functions are involved in the request. The lowest level of stratification of function is the individual MOS (three characters). The request can be based on one of the categories or subcategories of functions established in the Appendix, or can consist merely of a list of MOSs.
3. It is then necessary to establish which skill levels are involved in the request. As previously stated, this is represented by the fourth digit of the MOS. There are no subcategories or standard groupings within skill levels.

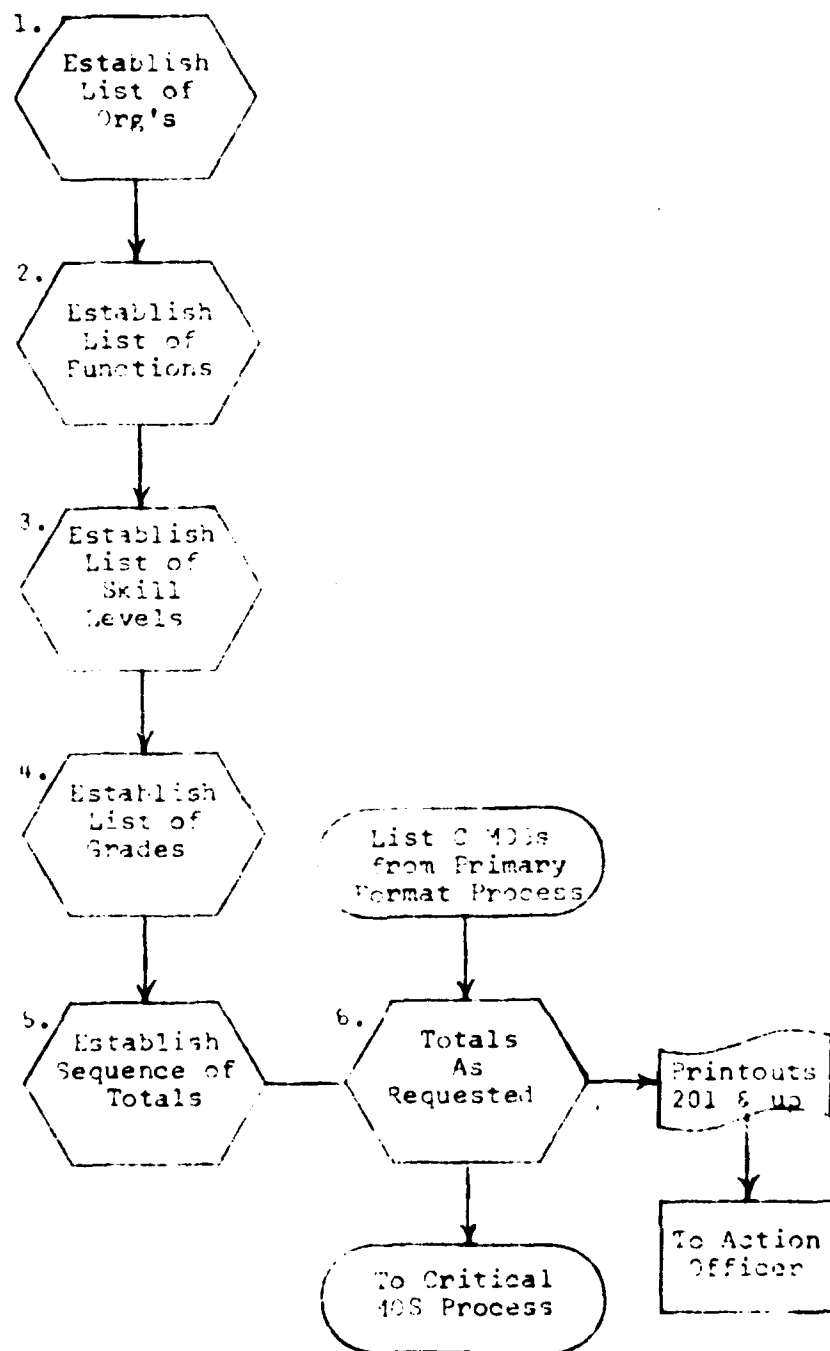


Figure 3. Processing of Enlisted Data for Secondary Formats

4. It is then necessary to determine which grades are involved in the request. This can be a single grade or a group of grades.
5. It is then necessary to establish the sequence in which the equipment is to produce totals. This of course must be stated in the request.
6. The data on the MOSs of List 1, which was produced in the Primary Format process, is then processed so as to produce totals in the requested manner. Each secondary format which has been requested is processed as described above and placed on a separate printout. These printouts are numbered starting with number 201 of L11 E1 for the time period concerned, and are transmitted to the Action Officer. The data on the List 2 MOSs is then available for processing to determine the shortages in critical MOSs.

The processing of enlisted personnel data to determine the shortages in critical MOSs is illustrated in Figure 4 and described as follows:

1. It is first necessary to determine whether the MOS is a critical one. Critical MOSs are designated by a (K) on List C.
2. It is then necessary to determine whether or not a shortage exists in this MOS. By definition established by proper authority, a critical MOS is deemed to be critically short if the actual strength is 10% or more below the authorized strength, either currently or projected to the end of the fiscal year. Therefore it

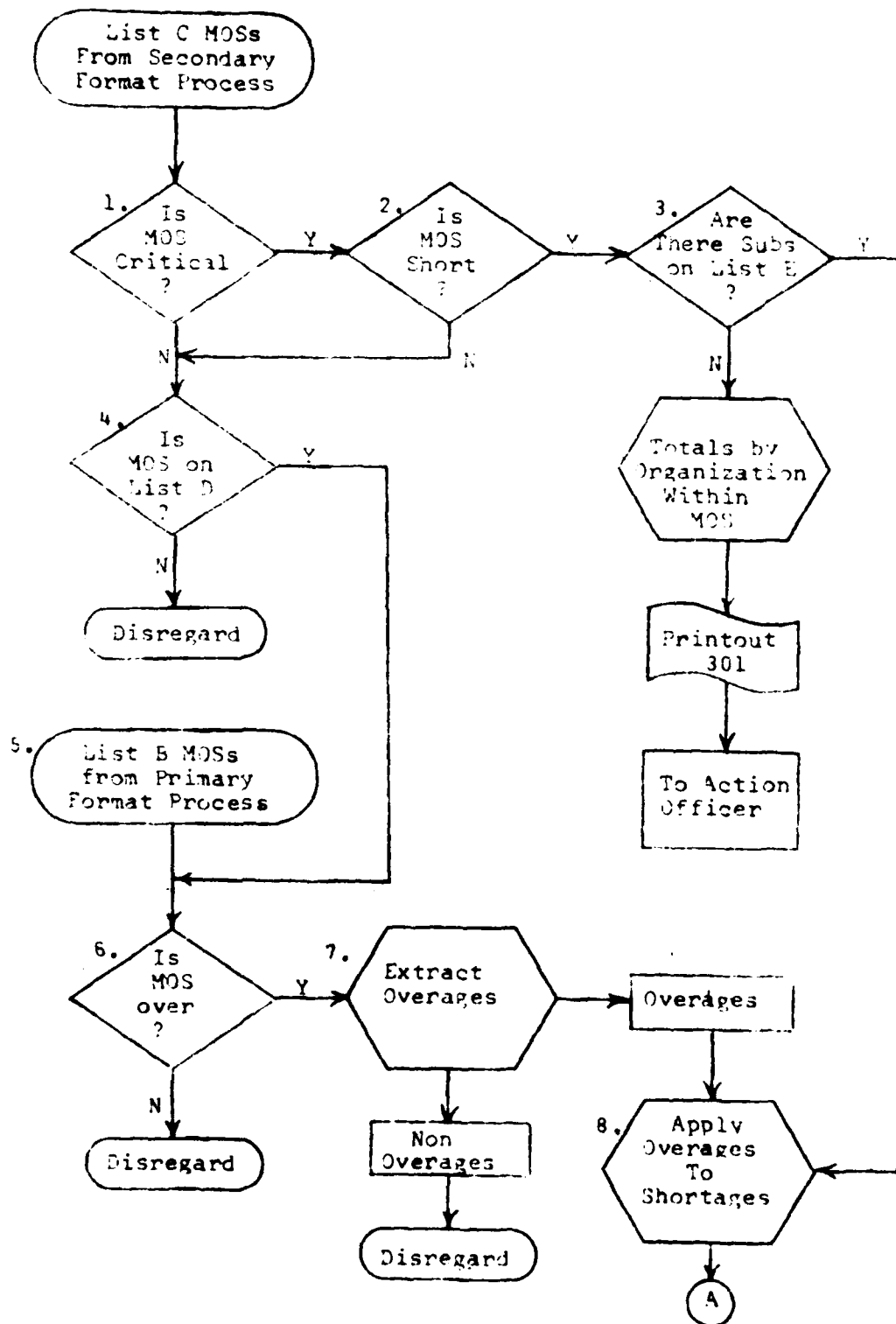


Figure 4. Processing of Enlisted Data for Critical MOSs  
(page 1 of 2)



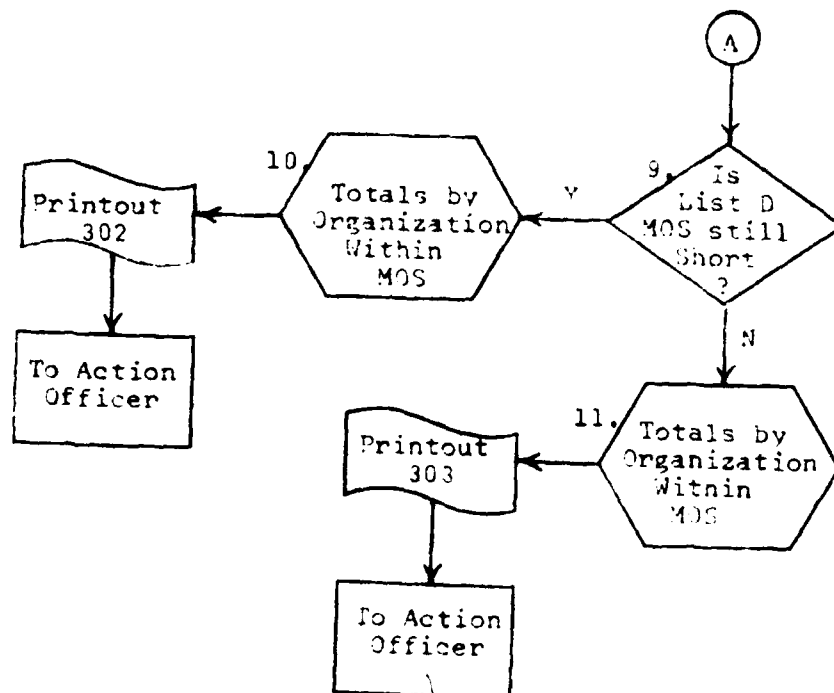


Figure 4. Processing of Enlisted Data for Critical MOSs  
(page 2 of 2)

is necessary in this step to determine if the current assigned strength is below current authorized strength by 10% or more, and also whether the projected strength is 10% or more below the projected authorized strength at either the four month or the seven month projection point, provided these projection points are within the current fiscal year.

3. The data on those MOSs which were determined to be critically short is then examined to determine whether there are substitutes for those MOSs. The substitutes for critical logistic MOSs are shown on List E in the Appendix. If there are no substitutes for a particular critical MOS, the data is then processed to obtain totals by organization within MOS, and information on MOSs in this category is then placed on a printout which is designated Printout 301 of LMI R1 for the appropriate date and transmitted to the Action Officer.
4. The data on those critical MOSs which are not short in the sense of step 2 above, is then included with the data on non-critical MOSs. This is done since many critical MOSs also constitute substitutes for other critical MOSs. It is then necessary to determine which of these MOSs are substitutes for critical MOSs. This is done by reference to List D in the Appendix. If they are not substitutes, the data can be disregarded.
5. It is then necessary to introduce the data on non-logistic MOSs which constitute valid substitutes for critical logistic MOSs. The data on these MOSs was separated in the process for the Primary Formats, and now must be added to the data obtained in step 4.

6. Those MOSs which have been determined to constitute valid substitutes for critical MOSs are then examined to determine if an overage exists within that MOS. An overage in this sense consists of an actual strength higher than authorized strength, either currently or at the four months or six month projection. Those MOSs in which no overage exists are disregarded.
7. The data on those substitute MOSs which contain overages is then processed to extract the information on overages only. The information on these overages may contain figures for any one, two, or all three of the three time periods involved. Those strengths which match authorizations for any one of the three periods are disregarded.
8. The overages developed in the previous step are then applied to the shortages in those critical MOS which are short and which were found to have valid substitute as determined in step 3. Since many of the substitute MOSs are valid substitutes for more than one critical MOS, the process must be so controlled that the overages are used only once. They should be applied to the first critical MOS which requires their use, and then be deleted from the list of overages.
9. After the overages have been applied, it must then be determined which MOSs are still short. In this case, the term "short" is used in the same sense as in step 2 above. The data is separated into those MOSs which are still short, and those in which the shortage can be overcome by use of overages from substitute MOSs.

10. Those MOSs which are still short are then processed to produce totals by organization within MOS. These totals are placed on a printout designated as Printout 302 for LMI R1 for the appropriate date. Printouts 301 and 302 then constitute the information on critically short critical MOSs in the logistic area.
11. Information on those MOSs in which the shortages can be overcome by the use of substitute MOSs is then processed to produce totals by organization within MOS, retaining within the critical MOS the information on substitute MOSs used. This information is then placed on a printout designated as Printout 303 for LMI R1 for the appropriate date, and transmitted to the Action Officer.

This completes the processing of enlisted data for this report.

### CHAPTER III

#### PROCESSING OF OFFICER AND WARRANT OFFICER DATA

The processing of Officer and Warrant Officer data is generally similar to the processing described in Chapter II for enlisted data. There are some differences in the characteristics of information regarding officers and warrant officers.

1. Officer MOSs consist of four characters, all numeric. Warrant Officer MOSs consist of four characters, three numeric and one alphabetic.
2. There are no skill levels in Officer or Warrant Officer MOSs.
3. The functional categorization of Officer and Warrant Officer MOSs extends only to the major categories, designated by roman numerals in List W in the Appendix.
4. There are no Officer or Warrant Officer critical MOSs.
5. The "Little 45" report for officers does not contain replacement data. This must be obtained from another source; namely, the Officer replacement master record.

The "Little 45" report for Officers and Warrant Officers is designated as report 403258. This report contains information on Officers and Warrant Officers authorized, current assigned strength, and projected losses by grade, MOS, and organization. This report also contains additional information not pertinent to this LMI. It should be noted that the information on losses contained in this report is not shown in the form of projected strengths at a point in time as was the case with enlisted data. It is shown by the expected months when the Officers will be lost to the theater.

The processing of Officer data for Primary Formats is illustrated in Figure 5 and described below.

1. It is first necessary to extract replacement data from the Officer Replacement Master Record. This record contains information by subcommand code, by grade and by MOS. For all officer vacancies for which replacements have been requested, the expected date of arrival of these replacements can occur in either of two ways. At the time the request is placed, an allocation date is established and inserted in the data. When a specific officer has been assigned to fill this vacancy, his anticipated arrival date is inserted in the data. When a record contains the arrival date, this should be used as the projected replacement date. When this arrival date is blank, the allocation date should be used.
2. The information extracted from the Officer Replacement Master Record is then merged with information from the "Little 45" report for Officers, to arrive at data which provides for each organization, each grade and each MOS, the authorized strength, the current strength, the projected strength at four month and seven month points in the future. This information then parallels that which was obtainable directly from the "Little 45" report for enlisted men.
3. It should then be determined whether the MOS is a valid non-logistic MOS. These are indicated on List P in the Appendix. Those MOSs which are on List P can be disregarded.

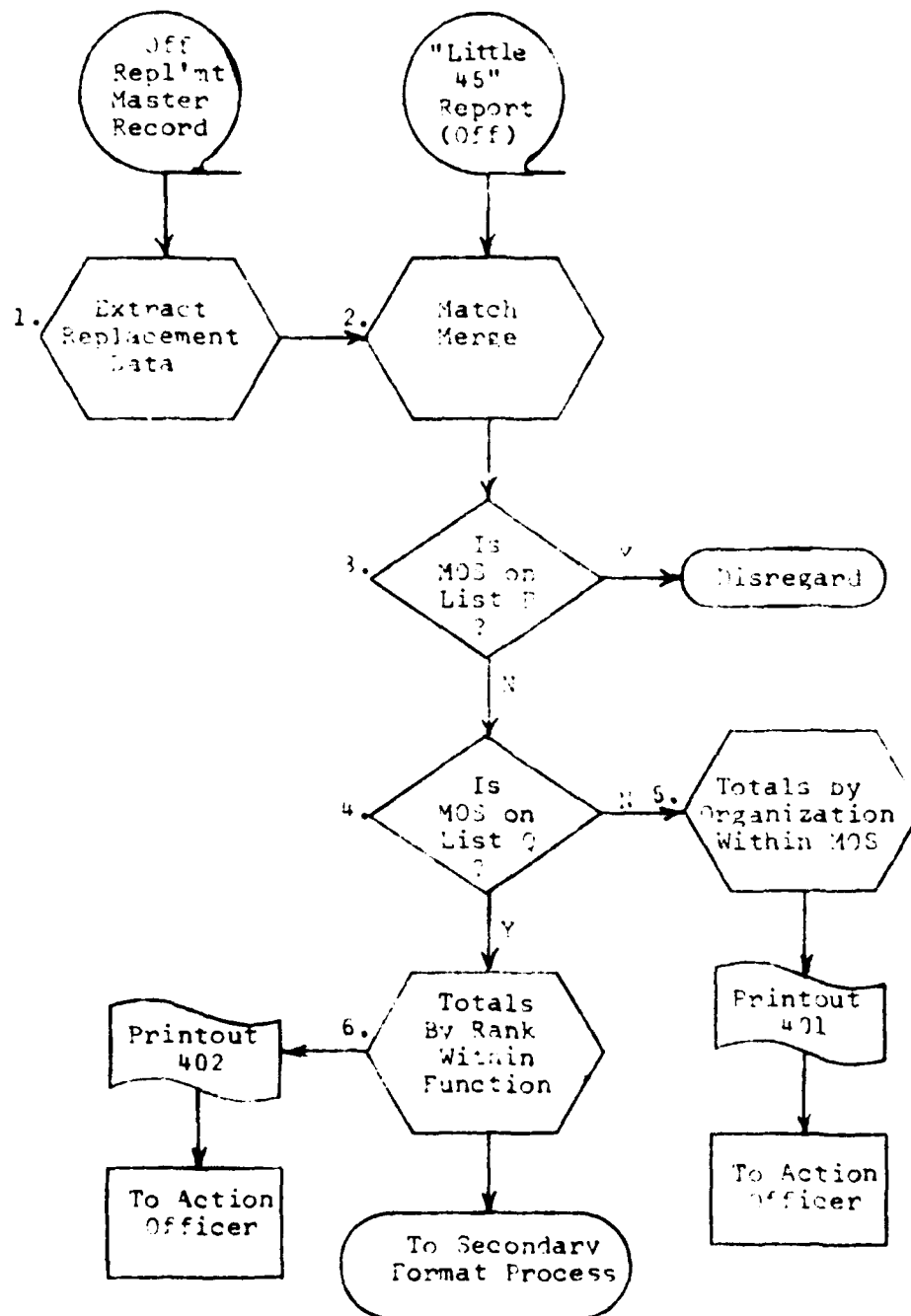


Figure 5. Processing of Officer Data for Primary Formats

4. Those MOSs which are not on List P are then examined to determine if they are on List Q. This is a list of valid logistic MOSs, also contained in the Appendix.
5. Those MOSs which are not on either List P or List Q are obsolete or invalid MOSs. The data on these is processed to obtain totals by organization within MOS. The items to be totaled are authorized strength, current assigned strength, projected strength at four months, and projected strength at seven months. This information is then placed on a printout which is designated Printout 401 for LMI R1 for the appropriate date, and transmitted to the Action Officer.
6. Those MOSs which were found to be on List Q, and are therefore valid logistic MOSs, are then processed to obtain totals by rank within functional categories. This information is placed on a printout designated as Printout 402 for LMI R1 for the appropriate date, and transmitted to the Action Officer. The data on the List Q MOSs is then ready to be used for the preparation of Secondary Formats.

As was true in the case of enlisted men, Secondary Formats for Officers are prepared only on request and only for the specific categories requested. Since there is no skill level in officer MOSs, there is one less informational parameter with which to be concerned.

The processing of officer data for secondary formats is illustrated in Figure 6 and described below:

1. It is necessary to determine which organizations or combination of organizations is involved in the request.



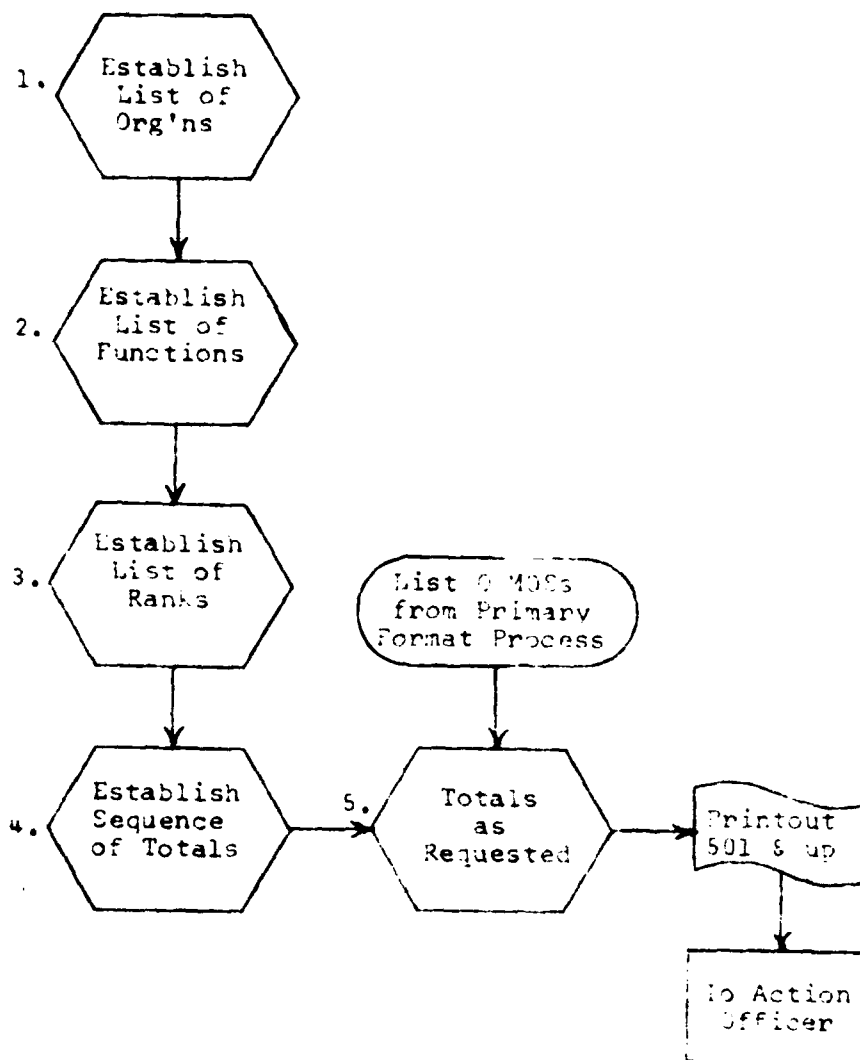


Figure 6. Processing of Officer Data for Secondary Formats

2. It is necessary to determine which functions are covered in the request. The Officer MOSs permit only stratification into major functional areas, with no sub-stratification between that level and individual MOSs.
3. It is then necessary to determine which ranks or groups of ranks are included in the request.
4. It is then necessary to determine the sequence in which the data is to be totaled in order to arrive at the information requested.
5. The data on valid logistic MOSs from List C which was used in the processing for Primary Formats is then processed in accordance with the information requested. Totals are prepared in accordance with the request and placed on printouts which are numbered starting with number 501 of LMI R1 for the appropriate date, and transmitted to the Action Officer.

This completes the processing of Officer and Warrant Officer data for this report.

# LIST A

Non-Logistic MOSs - Not Substitutes for Critical logistic MOSs

\* = Any characters in remaining positions

11*	55D*	72*	
12*	55E*	73*	91T*
13*	57D*	74*	91U*
15*	57F*	81*	91Z*
16*	62D*	82*	92*
17*	62E*	83*	93*
31Z50	62F*	94*	94A*
32A*	62G*	91A*	94B*
32T50	64A*	91D*	94F*
36X20	70*	91G*	94H*
42*	71B*	91D*	95*
51*	71C*	91F*	96*
52C*	71D*	91F*	97*
52G*	71E*	91G*	98*
52H*	71F*	91H*	99*
52J*	71G*	91H*	01*
52K*	71H*	91K*	02*
52L*	71L*	91L*	03*
52M*	71M*	91M*	04*
54A*	71F*	91N*	05*
54B*	71G*	91P*	07*
54C*	71R*	91P*	
54F*	71S*	91S*	

LIST 2

Non-Logistic MOSs - Valid Substitutes for Critical Logistic MOSs

31M20

31M20

31M20

31M20

31M40

31M20

32D40

32Z4

36D20

36E20

36K20

36D40

36E40

36K40

36D50

# LIST C

## Valid Logistic MOSs

### (A) Critical MOS

<u>MOS</u>	<u>Functional Category</u>	<u>MOS</u>	<u>Functional Category</u>
21A10	IA1	(K) 23T10	IA1
(K) 21G20	IA1	(K) 23D40	IA1
(K) 21G40	IA1	(K) 23C20	IA1
(K) 21H20	IA1	(K) 23C40	IA1
(K) 21H40	IA1	(K) 23R20	IA1
(K) 21H50	IA1	(K) 23R40	IA1
(K) 21J20	IA1	(K) 23C20	IA1
(K) 21J40	IA1	(K) 23C40	IA1
(K) 21K20	IA1	(K) 23T20	IA1
(K) 21K40	IA1	(K) 23T40	IA1
21R20	IA1	(K) 23J20	IA1
21R40	IA1	(K) 23J40	IA1
21S20	IA1	23M50	IA1
21S40	IA1	23M50	IA1
21T20	IA1		
21T40	IA1	25T20	IA4
21U50	IA1	25D40	IA4
		25C20	IA4
22A10	IA1	(K) 25D20	IA4
(K) 22F20	IA1	(K) 25D40	IA4
(K) 22F40	IA1	25E20	IA4
22G20	IA1	25E40	IA4
22G40	IA1	(K) 25F00	IA4
(K) 22J20	IA1	(K) 25F40	IA4
(K) 22J40	IA1	(K) 25G20	IA4
(K) 22K20	IA1	(K) 25G40	IA4
(K) 22K40	IA1	(K) 25H20	IA4
(K) 22L20	IA1	(K) 25J20	IA4
(K) 22L40	IA1	(K) 25J40	IA4
(K) 22M20	IA1	25K20	IA4
(K) 22M40	IA1	25K40	IA4
		25M50	IA4
(K) 23G20	IA1		
(K) 23G30	IA1	(K) 26B20	IA3
(K) 23G40	IA1	(K) 26B30	IA3
(K) 23N20	IA1	(K) 25C20	IA3
(K) 23N40	IA1	(K) 25B30	IA3

<u>MOE</u>	<u>Functional Category</u>	<u>MOE</u>	<u>Functional Category</u>
(K) 26D20	IA3	(K) 31L20	IA2
(K) 26E20	IA3	(K) 31L40	IA2
(K) 26E40	IA3	31P20	IA2
(K) 26H20	IA3	31W4	IA2
(K) 26H40	IA3	31W5	IA2
(K) 26J20	IA3		
(K) 26J30	IA3	(K) 32L20	IA2
(K) 26J40	IA3	(K) 32L40	IA2
(K) 26L10	IA3	(K) 32L50	IA2
(K) 26L20	IA3	(K) 32P20	IA2
(K) 26L40	IA3	(K) 32P30	IA2
(K) 26M20	IA3	(K) 32P40	IA2
(K) 26N20	IA3	(K) 32F20	IA2
(K) 26P20	IA3	(K) 32F40	IA2
(K) 26P40	IA3	(K) 32G20	IA2
(K) 26F50	IA3	(K) 32G40	IA2
(K) 26T20	IA3		
(K) 26T30	IA3	33B20	IA6
(K) 26T40	IA3	33C20	IA6
(K) 26T50	IA3	33D20	IA6
26W20	IA3	33E20	IA6
26W40	IA3	33L40	IA6
26W50	IA3	33E50	IA6
		33F10	IA6
27A10	IA1	33G20	IA6
27B20	IA1	33Z20	IA6
27B40	IA1	33Z40	IA6
27C20	IA1	33Z50	IA6
27C40	IA1		
27D20	IA1	(K) 34B20	IA6
27D40	IA1	(K) 34C20	IA6
27E50	IA1	(K) 34D20	IA6
		(K) 34D50	IA6
31B20	IA2	(K) 34G20	IA6
31B30	IA2	(K) 34G40	IA6
(K) 31E20	IA2		
(K) 31E40	IA2	(K) 35B20	IA6
31G40	IA2	(K) 35B30	IA6
31G50	IA2	(K) 35B40	IA6
(K) 31J20	IA2	(K) 35D20	IA6
(K) 31J40	IA2	(K) 35D30	IA6
(K) 31J50	IA2	(K) 35E20	IA6
(K) 31K20	IA2	(K) 35M30	IA6
(K) 31K40	IA2	(K) 35E40	IA6
(K) 31K50	IA2	(K) 35F20	IA6

<u>10S</u>	<u>Functional Category</u>	<u>10T</u>	<u>Functional Category</u>
(K) 35F40	IA6	43K20	IC
(K) 35G20	IA6	43K40	IC
(K) 35G30	IA6	43L20	IC
(K) 35G40	IA6	43L40	IC
(K) 35G50	IA6	43M40	IC
(K) 35H20	IA6		
(K) 35H40	IA6	44A10	IB6
(K) 35H50	IA6	44B20	IB6
(K) 35K20	IA3	44B40	IB6
(K) 35L20	IA3	44C20	IB6
(K) 35M20	IA3	44C40	IB6
(K) 35N20	IA3	44D20	IB6
(K) 35P40	IA3	44E20	IB6
(K) 35P50	IA3	44E30	IB6
		44E40	IB6
		44F20	IB6
		44K40	IB6
		44Z40	IB6
		44Z50	IB6
36D10	IA2		
36D20	IA2	45A10	IB1
36D40	IA2	45F20	IB1
36D50	IA2	45H40	IB1
36G20	IA2	45C20	IB1
(K) 36H20	IA2	45C40	IB1
(K) 36H30	IA2	45D20	IB1
(K) 36H40	IA2	45E20	IB1
(K) 36H50	IA2	45E40	IB1
		45F20	IB1
		(K) 45G20	IB1
		(K) 45G30	IB1
		(K) 45G40	IB1
		(K) 45H20	IB1
		(K) 45H40	IB1
		(K) 45J20	IB1
		(K) 45J40	IB1
		45Z40	IB1
		45Z50	IB1
41B20	IB7		
41B30	IB7	46A10	IB2
(K) 41C10	IB7	46C20	IB2
(K) 41C20	IB7	46C40	IB2
(K) 41C40	IB7	(K) 46L20	IB2
41E20	IB7	(K) 46L40	IB2
41F20	IB7	(K) 46M20	IB2
(K) 41G20	IB7		
41H40	IB7		
41J20	IB7		
41J40	IB7		
41K20	IB7		
43A10	IC		
43E20	IC		
43E30	IC		
43E40	IC		
43E50	IC		
43J20	IC		
43J40	IC		

<u>MOS</u>	<u>Functional Category</u>	<u>MOS</u>	<u>Functional Category</u>
(K) 46M40	IB2	57A10	IVA
52A10	IA5	57C20	IB4
(K) 52B20	IA5	57C40	IB4
(K) 52B30	IA5	57C50	IB4
(K) 52C20	IA5	57E20	IVA
(K) 52D20	IA5	57F40	IVA
(K) 52D40	IA5	57L10	IVA
52F20	IA5	57G10	IVA
53B20	IIA	57J50	IVA
53B40	IIA	57H20	IIIB
53C20	IIA	57H40	IIIB
53C40	IIA	57H50	IIIB
54D20	IB8	61A10	IIID
54D40	IB8	61B20	IIID
54D50	IB8	61B30	IIID
55A10	IIB	61B40	IIID
55B20	IIB	61C20	IIID
55B40	IIB	61C30	IIID
55C20	IIB	61C40	IIID
55C40	IIB	61D20	IIID
55F20	IIB	61D40	IIID
55F40	IIB	61E20	IB3
55G20	IIB	61E30	IB3
55G30	IIB	61E40	IB3
55G40	IIB	61E50	IIID
55G50	IIB	62A10	IB3
55Z40	IIB	62B20	IB3
55Z50	IIB	62B30	IB3
56A10	IIA	62B40	IB3
56B20	IIA	62B50	IB3
56B40	IIA	62C20	IB3
56C20	IID	62C30	IB3
56C40	IID	62C40	IB3
56C50	IID	63A10	IB4
56D20	IIE	63B20	IB4
56D40	IIE	63C20	IB4
56D50	IIE	63C30	IB4
56E20	IIIB	63C40	IB4
56E40	IIIB	63D20	IB4
56E50	IIIB	63D40	IB4
		63D50	IB4



<u>LOS</u>	<u>Functional Category</u>	<u>MOF</u>	<u>Functional Category</u>
63J20	IB9	(K) 67N20	IB3
63J40	IB9	(K) 67N30	IB3
63K20	IB9	(K) 67N40	IB3
63K40	IB9	(K) 67N50	IB3
63Z50	IB4	67P20	IB3
		67P30	IB3
64B20	IIIA	67Q20	IB3
64C20	IIIA	67Q30	IB3
64C40	IIIA	67R40	IB3
64C50	IIIA	67R50	IB3
		(K) 67T20	IB3
65A10	IB5	(K) 67T30	IB3
65B20	IB5	(K) 67T40	IB3
65B40	IB5	(K) 67T50	IB3
65C20	IB5	(K) 67U20	IB3
65C40	IB5	(K) 67U30	IB3
65D20	IB5	(K) 67U40	IB3
65D40	IB5	(K) 67U50	IB3
65E20	IB5	67V20	IB3
65E40	IB5	67V40	IB3
65F20	IB5	(K) 67W20	IB3
65F40	IB5	(K) 67W40	IB3
65G40	IIIC	(K) 67Z40	IB3
65H20	IIIC	(K) 67Z50	IB3
65H40	IIIC		
65J20	IIIC	68A10	IB3
65J40	IIIC	(K) 68B20	IB3
65K20	IIIC	(K) 68B40	IB3
65K40	IIIC	(K) 68D20	IB3
65Z50	IVB	(K) 68D40	IB3
		(K) 68E20	IB3
67A10	IB3	(K) 68E40	IB3
67B20	IB3	(K) 68F20	IB3
67C20	IB3	(K) 68F30	IB3
(K) 67D20	IB3	(K) 68F40	IB3
67E40	IB3	(K) 68G20	IB3
67E50	IB3	(K) 68G30	IB3
(K) 67F20	IB3	(K) 68G40	IB3
(K) 67F40	IB3	(K) 68H20	IB3
(K) 67G20	IB3	(K) 68H40	IB3
(K) 67H20	IB3		
(K) 67K20	IB3	71N20	IIID
67L40	IB3	71N40	IIID
67L50	IB3	71N50	IIID
67M20	IB3	71T20	ID

<u>400</u>	<u>Functional Category</u>	<u>400</u>	<u>Functional Category</u>
76A10	IIA		
76J20	IIA		
76J40	IIA		
76J50	IIA		
76M20	IIA		
76M40	IIA		
76P20	IIA		
76F40	IIA		
76Q20	IIC		
76Q40	IIC		
76R20	IIC		
76R40	IIC		
76S20	IIC		
76S40	IIC		
76T20	IIC		
76T40	IIC		
76U20	IIC		
76U40	IIC		
76V20	IIA		
76W20	IID		
76W40	IID		
76V50	IID		
76X20	IIE		
76X40	IIE		
76Y20	IIA		
76Y30	IIA		
76Y40	IIA		
76Z50	IIA		
91R10	IIF		
91R20	IIE		
91P40	IIF		
92C20	IID		
92C40	IID		
94C20	IIE		
94C40	IIE		
94D20	IIE		
94D40	IIE		

Logistic MOSs which substitute for critical logistic MOSs

A9

# List E

## Substitutes for Critical MOGs

NOTE: Not all authorized substitutions are reciprocal. Therefore this index must be followed literally in determining potential substitutes for an MOG.

NOTE: Some authorized substitutes for critical logistic MOGs are not logistic MOGs. These are designated by two asterisks.

MOG	Authorized Substitutes
25B20	C20, D20, E20, H20, J20, L20, M20, N20, P20, T20, W20
25C20	B20, D20, E20, H20, J20, L20, M20, N20, P20, T20, W20
25D20	B20, C20, E20, H20, J20, L20, M20, N20, P20, T20, W20
25F20	B20, C20, D20, H20, J20, L20, M20, N20, P20, T20, W20
25H20	B20, C20, D20, E20, J20, L20, M20, N20, P20, T20, W20
25J20	B20, C20, D20, E20, H20, L20, M20, N20, P20, T20, W20
25L20	B20, C20, D20, E20, H20, J20, M20, N20, P20, T20, W20
25M20	B20, C20, D20, E20, H20, J20, L20, N20, P20, T20, W20
25N20	B20, C20, D20, E20, H20, J20, L20, M20, P20, T20, W20
25P20	B20, C20, D20, E20, H20, J20, L20, M20, N20, T20, W20
25T20	B20, C20, D20, E20, H20, J20, L20, M20, N20, P20, W20

26330	C30, H30, J30, T30
26C30	B30, H30, J30, T30
26H30	B30, C30, J30, T30
26J30	B30, C30, H30, T30
26T30	B30, C30, H30, J30
26E40	J40, L40, P40, T40, W40
26J40	E40, L40, P40, T40, W40
26L40	E40, J40, P40, T40, W40
26P40	E40, J40, L40, T40, W40
26T40	E40, J40, L40, P40, W40
26P50	T50, W50
26T50	P50, W50
31E20	B20, J20, K20, L20, M20**, N20**, R20
31J20	B20, E20, K20, L20, M20**, N20**, R20
31K20	B20, E20, J20, L20, M20**, N20**, R20
31L20	B20, E20, J20, K20, M20**, N20**, R20

31E40	G40, J40, K40, L40, M40**, N40**, W40, Z40**
31J40	E40, G40, K40, L40, M40**, N40**, W40, Z40**
31K40	E40, G40, J40, L40, M40**, N40**, W40, Z40**
31L40	E40, G40, J40, K40, M40**, N40**, W40, Z40**
31J50	G50, V50, W50, Z50**
31K50	G50, J50, W50, Z50**
32B20	C20, D20**, E20, F20, G20
32C20	B20, D20**, E20, F20, G20
32E20	B20, C20, D20**, F20, G20
32F20	B20, C20, D20**, E20, G20
32G20	B20, C20, D20**, E20, F20
32B40	C40, D40**, E40, F40, G40, Z40**
32C40	B40, D40**, E40, F40, G40, Z40**
32E40	B40, C40, D40**, F40, G40, Z40**
32F40	B40, C40, D40**, E40, G40, Z40**
32G40	B40, C40, D40**, E40, F40, Z40**

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35H20	36C20**, 36D20, 36E20**, 36G20, 36K20**
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36H40	36C40**, 36D40, 36E40**, 36K40**
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35H50	36C50**, 36D50
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45G20	B20, C20, D20, E20, F20, H20, J20
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45H20	B20, C20, D20, E20, F20, G20, J20
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45J20	B20, C20, D20, E20, F20, G20, H20
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45G40	B40, C40, E40, H40, J40, Z40
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45H40	B40, C40, E40, G40, J40, Z40
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45J40	B40, C40, E40, G40, H40, Z40
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67D20	C20
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67G20	K20
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67H20	K20
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67K20	U20, V20
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67M30	U30
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67N40	U40, V40
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67N50	E50, L50, R50, T50, U50, Z50
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67T50	E50, L50, N50, R50, U50, Z50
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67U50	E50, L50, N50, R50, T50, Z50
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67T50	E50, L50, N50, R50, T50, U50
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List P

Valid Non-Logistic WDCs

Officers

0001	1203	2232	3108
0002	1204	2239	3111
0003	1210	2260	3112
0005	1328	2265	3113
0006	1330	2310	3115
0009	1331	2330	3116
0030	1337	2334	3125
0140	1342	2401	3126
0200	1363	2402	3128
0210	1367	2420	3129
0213	1415	2421	3130
0215	1542	2430	3131
0220	1543	2431	3139
0221	1560	2500	3150
0400	1980	2517	3151
0410	1981	2518	3152
0420	1982	2520	3153
0430	1983	2548	3160
0500	1984	2610	3167
0503	1985	2615	3168
0520	1986	2622	3170
0663		2701	3171
0668	2010	2715	3172
	2011	2720	3173
1120	2015	2723	3174
1154	2019	2800	3175
1172	2025	2801	3176
1174	2030	2900	3177
1176	2042	2910	3178
1177	2110	2920	3179
1178	2120		3180
1180	2136	3000	3200
1181	2145	3004	3201
1133	2162	3005	3202
1187	2163	3006	3203
1190	2167	3012	3306
1191	2170	3100	3307
1193	2200	3101	3308
1198	2210	3105	3309
1199	2230	3107	3310

3311	7004	9000	941A
3314	7010	9100	951A
3315	7020	9110	951B
3318	7052	9121	951C
3325	7110	9210	961A
3327	7130	9224	962A
3340	7140	9300	971A
3350	7240	9301	972A
3360	7242	9303	981A
3416	7300	9305	982A
3418	7312	9306	983A
3420	7314	9307	988A
3430	7317	9308	
3431	7318	9309	031A
3437	7319	9310	051A
3442	7320	9316	052A
3443	7330	9318	053A
3445	7360	9330	061B
3446	7423	9332	061C
3448	7501	9335	062B
3449	7601	9414	062C
3503	7611	9511	062D
3506	7700	9601	001A
3606	7740	9604	002A
	7860	9610	003A
4112	7869	9620	004A
4114	7881	9630	
4210	7899	9640	
4300	7900	9662	
4312	7902	9666	
4360	7915	9668	
4371	7922		
4891	7930		
4940	7940		
4942	7960		
		Warrant	
		Officers	
		201A	
5000	9000	211A	
5241	8101	214E	
5310	8103	214F	
5400	8104	284A	
5503	8105	351A	
5505	8127	521A	
5522	8128	711A	
5525	9130	712A	
5900	8204	713A	
	8311	721A	
6010	8400	741B	
6100	8500	741C	
6101	8510	811A	
6200	8511	821A	
6201	8521	831A	
6302	8605	913A	
6400		915A	
6410		919A	

List Q  
Valid Logistic MOSs  
Officers

<u>MOS</u>	<u>Functional Category</u>	<u>MOS</u>	<u>Functional Category</u>
0600	IV	4000	II
0609	III	4010	IV
0612	III	4015	II
0615	III	4120	II
0660	III	4130	II
0692	III	4200	IV
0693	III	4201	II
0694	III	4220	II
0706	III	4222	IV
0715	III	4223	IV
0716	III	4310	II
0717	III	4313	II
0718	III	4320	II
0720	III	4400	II
0730	III	4403	IV
0735	I	4404	II
0736	I	4415	I
0737	I	4419	II
0740	III	4450	II
0750	III	4470	II
0753	III	4474	II
0754	I	4475	II
0801	III	4490	II
0804	III	4500	II
0815	III	4510	II
0820	III	4512	IV
0823	III	4513	IV
0825	III	4514	II
		4515	IV
1723	II	4516	I
		4530	II
2624	IV	4600	IV
2625	IV	4601	IV
2640	III	4606	I
		4620	II
3221	II	4714	II
3231	II	4800	I
3316	II	4801	IV

<u>400</u>	<u>Functional Category</u>	<u>400</u>	<u>Functional Category</u>
4802	IV	261A	I
4803	I	262A	I
4808	I	271A	I
4815	I	281A	I
4818	I	282A	I
4820	IV	283A	I
4823	I	284A	I
4825	I	286	I
4830	IV		
4831	I	301A	I
4832	I	302A	I
4833	I	303A	I
4834	I	304A	I
4835	I	305A	I
4836	I	306A	I
4837	I	307A	I
4838	I	308A	I
4839	I	309A	I
4840	I	310A	I
4841	I	311A	I
4842	I	312A	I
4843	I	313A	I
4844	II	314A	I
4845	II	315A	I
4846	II	316A	I
4847	II	317A	I
4848	II	318A	I
4849	II	319A	I
4850	II	320A	I
4851	II	321A	I
4852	II	322A	I
4853	II	323A	I
4854	II	324A	I
4855	II	325A	I
4856	II	326A	I
4857	II	327A	I
4858	II	328A	I
4859	II	329A	I
4860	II	330A	I
4861	II	331A	I
4862	II	332A	I
4863	II	333A	I
4864	II	334A	I
4865	II	335A	I
4866	II	336A	I
4867	II	337A	I
4868	II	338A	I
4869	II	339A	I
4870	II	340A	I
4871	II	341A	I
4872	II	342A	I
4873	II	343A	I
4874	II	344A	I
4875	II	345A	I
4876	II	346A	I
4877	II	347A	I
4878	II	348A	I
4879	II	349A	I
4880	II	350A	I
4881	II	351A	I
4882	II	352A	I
4883	II	353A	I
4884	II	354A	I
4885	II	355A	I
4886	II	356A	I
4887	II	357A	I
4888	II	358A	I
4889	II	359A	I
4890	II	360A	I
4891	II	361A	I
4892	II	362A	I
4893	II	363A	I
4894	II	364A	I
4895	II	365A	I
4896	II	366A	I
4897	II	367A	I
4898	II	368A	I
4899	II	369A	I
4900	II	370A	I
4901	II	371A	I
4902	II	372A	I
4903	II	373A	I
4904	II	374A	I
4905	II	375A	I
4906	II	376A	I
4907	II	377A	I
4908	II	378A	I
4909	II	379A	I
4910	II	380A	I
4911	II	381A	I
4912	II	382A	I
4913	II	383A	I
4914	II	384A	I
4915	II	385A	I
4916	II	386A	I
4917	II	387A	I
4918	II	388A	I
4919	II	389A	I
4920	II	390A	I
4921	II	391A	I
4922	II	392A	I
4923	II	393A	I
4924	II	394A	I
4925	II	395A	I
4926	II	396A	I
4927	II	397A	I
4928	II	398A	I
4929	II	399A	I
4930	II	400A	I

WARRANT OFFICERS

200A	I
201A	I
202A	I
203A	I
204A	I
205A	I
206A	I
207A	I
208A	I
209A	I
210A	I
211A	I
212A	I
213A	I
214A	I
215A	I
216A	I
217A	I
218A	I
219A	I
220A	I
221A	I
222A	I
223A	I
224A	I
225A	I
226A	I
227A	I
228A	I
229A	I
230A	I
231A	I
232A	I
233A	I
234A	I
235A	I
236A	I
237A	I
238A	I
239A	I
240A	I
241A	I
242A	I
243A	I
244A	I
245A	I
246A	I
247A	I
248A	I
249A	I
250A	I
251A	I
252A	I

# List V

## Organizational Stratification

The list contains the designations of the organizations comprising USAREUR and their groupings and subgroupings. The codes indicated contain two characters. The first is the Command Group Code and the second is the first character of the Sub-Command Code. Where the second character is shown as an asterisk in the listing below it indicates that the second character can be any character.

<u>Organizations</u>	<u>Sub Command Code</u>
1. 3rd Infantry Division	73
2. 8th Infantry Division	58
3. 24th Infantry Division	71
4. 3rd Armored Division	53
5. 4th Armored Division	74
6. 2nd Armored Cavalry Regiment	7P
7. 3rd Armored Cavalry Regiment	5V
8. 14th Armored Cavalry Regiment	5N
9. V Corps Trs (less Armd Cav)	5* less 53, 58, 5N and 5V
10. VII Corps Trs (less Armd Cav)	7* less 71, 73, 74 and 7P
11. Berlin Brigade	22
12. SETAF	21
13. 32nd AADC	32
14. 56th Arty Group	10
15. 10th Abn Spec. Forces	15

<u>Organizations</u>	<u>Sub Command Code</u>
16. USACOMZEUR	4*
17. Seventh Army Support Command	6*
18. USAREUR/Seventh Army Trs	01 & 04
19. Engineer Command EUR (Prov)	18
20. 9th Hospital Center	16
21. 66th MI Group	13
22. 513th MI Group	14
23. 5th Psy Opns Bn	12
24. GASCOM	11
25. USAREUR Assgd Act	02

<u>Subgroups</u>	<u>Organizations</u>	<u>Codes</u>
1. Infantry Divisions	1,2,3	73+58+71
2. Armored Divisions	4,5	53+74
3. Armored Cavalry Regiments	6,7,8	5N+5V+7P
4. V Corps	2,4,7,8,9	5*
5. VII Corps	1,3,5,6,10	7*
6. Seventh Army	1,2,3,4,5,6,7,8, 9,10,13,14,17,18	5*+6*+7*+10 +32+01+04

<u>Groups</u>	<u>Organizations</u>	<u>Codes</u>
1. Major Combat Units	1,2,3,4,5,6,7,8,9,10	5*+7*
2. Other Combat Units	11,12,13,14,15	14+15+2*+3*

	<u>Groups</u>	<u>Organizations</u>	<u>Codes</u>
3.	Major Support Commands	16,17,18,19,20	01+04+16+18 +4**6*
4.	Other Organiza- tions	21,22,23,24,25	02+10+12+13+14
5.	USAREUR	All	All

\* - Any second character

List W

Functional Categories

I. MAINTENANCE

- a. Electronic/Electrical
  - 1. Missile Equipment
  - 2. Communications Equipment
  - 3. Special Electronic Equipment
  - 4. Fire Distribution Systems
  - 5. Electrical Equipment
  - 6. Other
- b. Mechanical
  - 1. Armanent
  - 2. Missile Equipment
  - 3. Aircraft
  - 4. Automotive
  - 5. Railroad Equipment
  - 6. Metal Working
  - 7. Precision Devices
  - 8. Other
- c. Soft Goods
- d. Not Classified

II. SUPPLY

- a. General
- b. Ammunition
- c. Repair Parts
- d. Petroleum
- e. Subsistence

III. TRANSPORTATION

- a. Motor Transport
- b. Cargo Handling
- c. Rail Transport
- d. Not Classified

IV. LOGISTICS - GENERAL

- a. Manual
- b. Non-Manual